

AURORA 8 Pro P



Order numbers for BTE instruments

104 268 89 Aurora 8 Pro P beige
104 268 90 Aurora 8 Pro P grey

Application

- Moderate to severe hearing losses
- Standard and active listening environments
- Fitted with Connexx

Short description

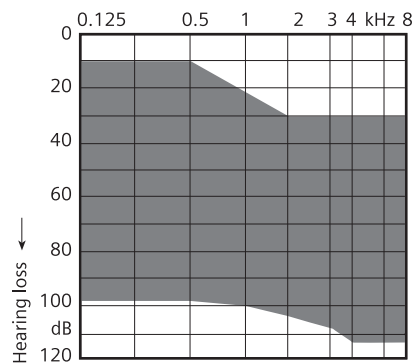
- Fully digital 8 channel amplifier
- 6 AGC-I controls
- 4 programmable memories
- Power-on delay
- Low battery beeps
- Program change beeps
- Microphone noise reduction
- Programmable telecoil
- Compatible with cell-phones and wireless phones
- Audio Input
- Push Button, Volume Control
- Battery door on/off, Battery door lock
- 13 size battery

Highlights

- Automatic and Adaptive directional microphone
- Adaptive speech and noise management
- Sound Smoothing
- Windnoise cancellation
- Data Logging
- Antiphase Feedback Cancellation



Fitting Range



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AURORA 8 Pro P

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	2 ccm coupler	Ear simulator
	Standard ANSI S3.22-2003; IEC 60118-7:2005	IEC 118-0/A1
Output Sound Pressure Level (OSPL)		
at 1.6 kHz	–	129dB
Peak	130 dB	136 dB
HFA ¹ -OSPL 90	124 dB	–
Gain (Input 50 dB)		
FOG ² at 1.6 kHz	–	65 dB
FOG (Peak)	70 dB	76 dB
HFA-FOG	61 dB	–
Reference Test Gain	47 dB	54 dB
Frequency Range		
Low frequency limit	<100 Hz	140 Hz
High frequency limit	7100 Hz	7500 Hz
Total Harmonic Distortion		
500 Hz	2 %	2 %
800 Hz	1 %	1 %
1600 Hz	1 %	1 %
Equivalent Input Noise	16 dB	16 dB
Inductive Coil Sensitivity		
MASL ³ (1mA/m)	–	96 dB
HFA-MASL	92 dB	–
HFA SPLITS ⁴ (left/right)	104/107 dB	–
RSETS ⁵ (left/right)	-3/0 dB	–
AGC-O		
Attack time	5 ms	–
Release time	600 ms	–
Battery Type 13		
Battery current	1.0 mA	1.0 mA
Battery Life	~ 220 h	~ 220 h
IRIL⁶ IEC 118-13:2004 (bystander)		
800-960 MHz	<- 33 dB	–
1400-2000 MHz	<- 31 dB	–
AI-DI⁷	4.0 dB	–

¹ HFA= High Frequency Average

² FOG= Full-On-Gain in dB

³ MASL= Magneto Acoustical Sensitivity Level

⁴ SPLITS= Coupler SPL for an Inductive Telephone Simulator

⁵ RSETS= Relative Simulated Equivalent Telephone Sensitivity

⁶ IRIL= Input Related Interference Level

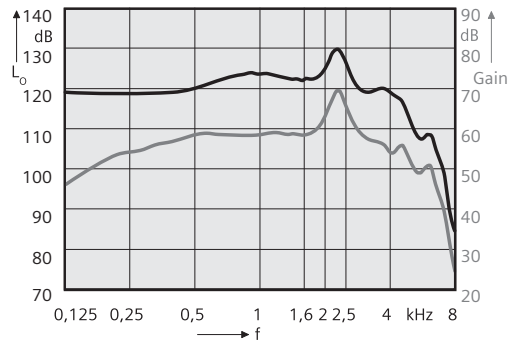
⁷ AI-DI= Articulation Index - Weighted Directivity Index

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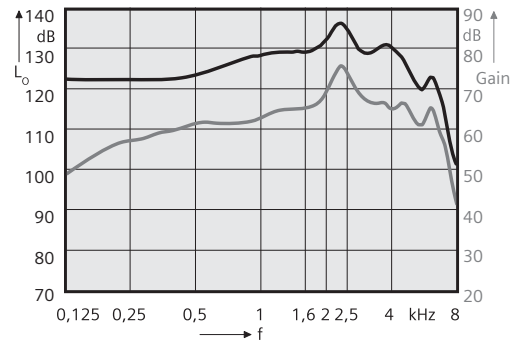
Earhook

2 ccm coupler

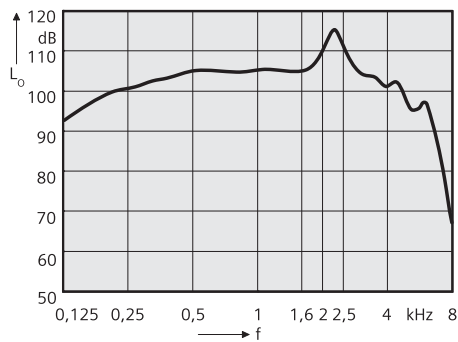


Output Sound Pressure Level ($L_i = 90$ dB)
Full on Gain ($L_i = 50$ dB)

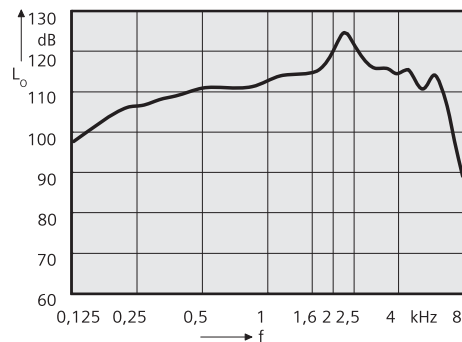
Ear simulator



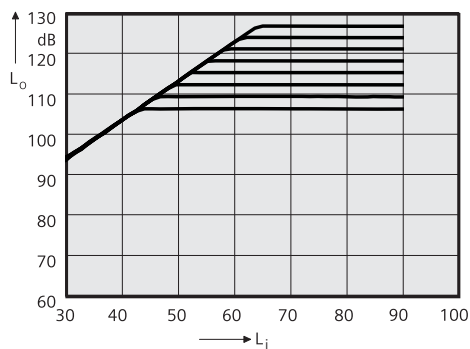
Output Sound Pressure Level ($L_i = 90$ dB)
Full on Gain ($L_i = 50$ dB)



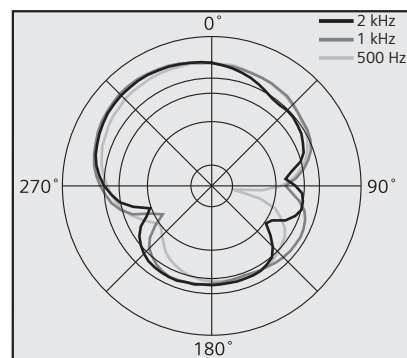
Basic Acoustic Response ($L_i = 60$ dB)



Basic Acoustic Response ($L_i = 60$ dB)



Effect of MPO (FOG, $f=2$ kHz)



Directional Characteristic

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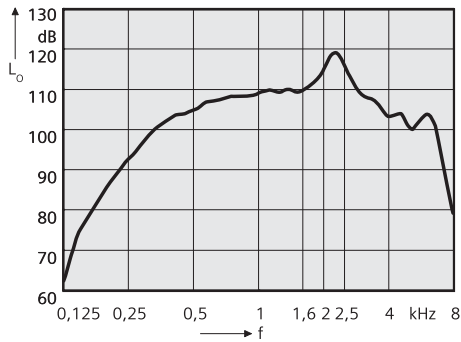
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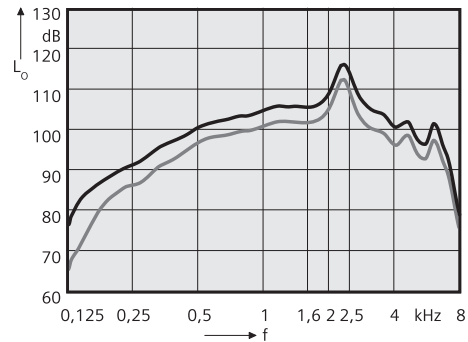


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Inductive Response



Inductive Response (H = 10 mA/m) IEC 60118-7:2005;



SPLITS curve right (H = 31.6 mA/m) ANSI S3.22-2003
SPLITS curve left (H = 31.6 mA/m) ANSI S3.22-2003

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WARNING!

Choking hazard posed by small parts.
This instrument is not intended for the fitting of infants, small children and persons of mental incapacity.

The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases and are subject to change without prior notice.

The required features should therefore be specified in each individual case at the time of conclusion of the respective contract.

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